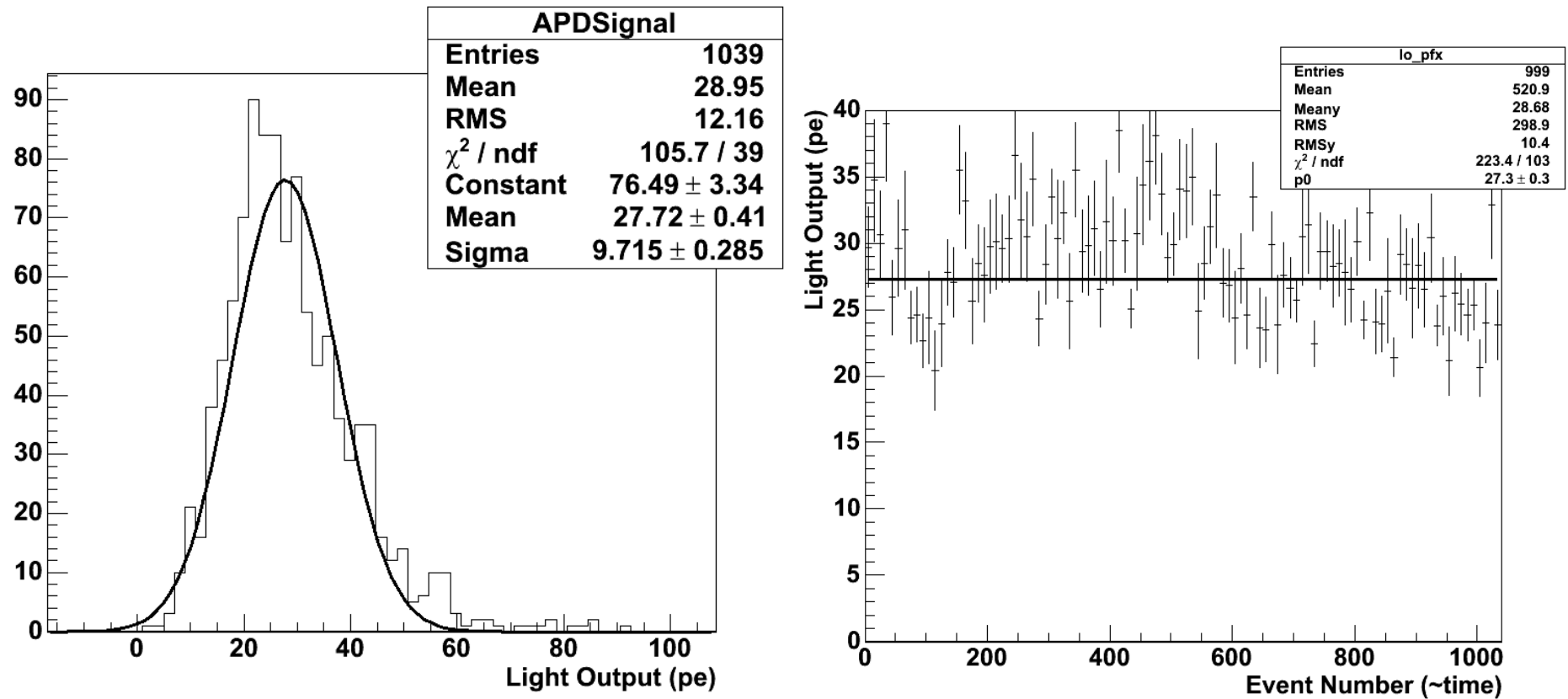


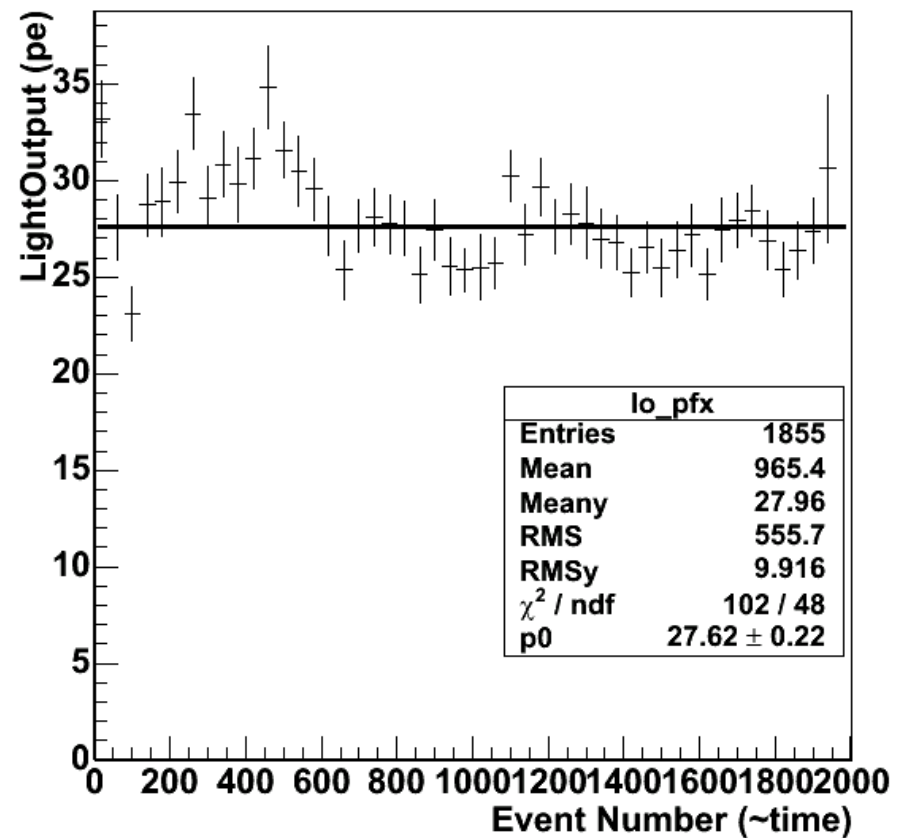
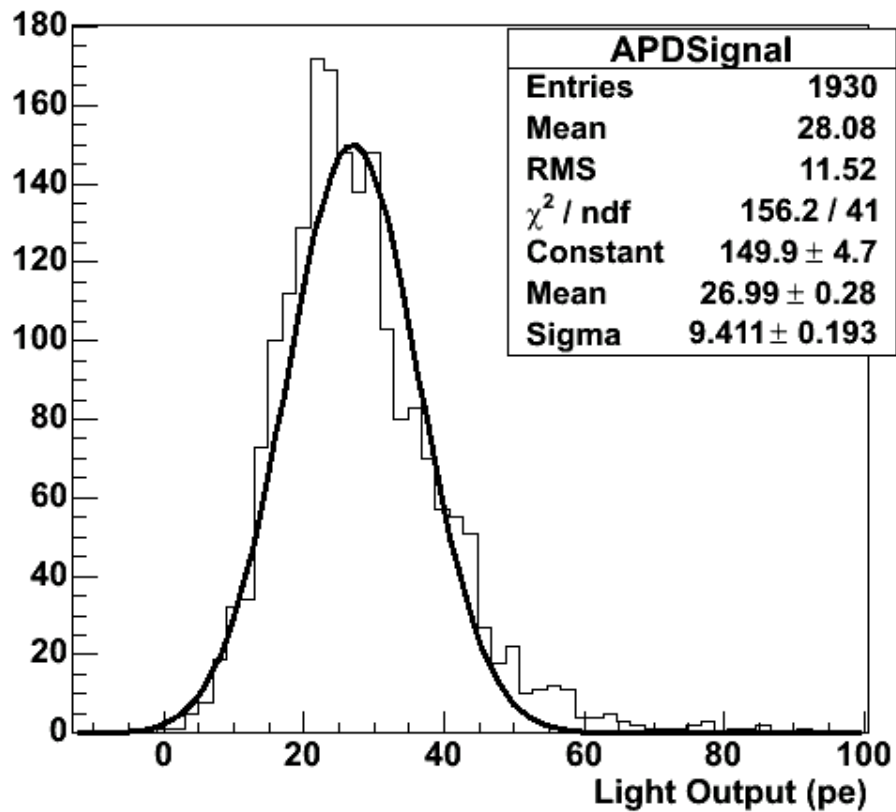
Light output measurements

Leon Mualem

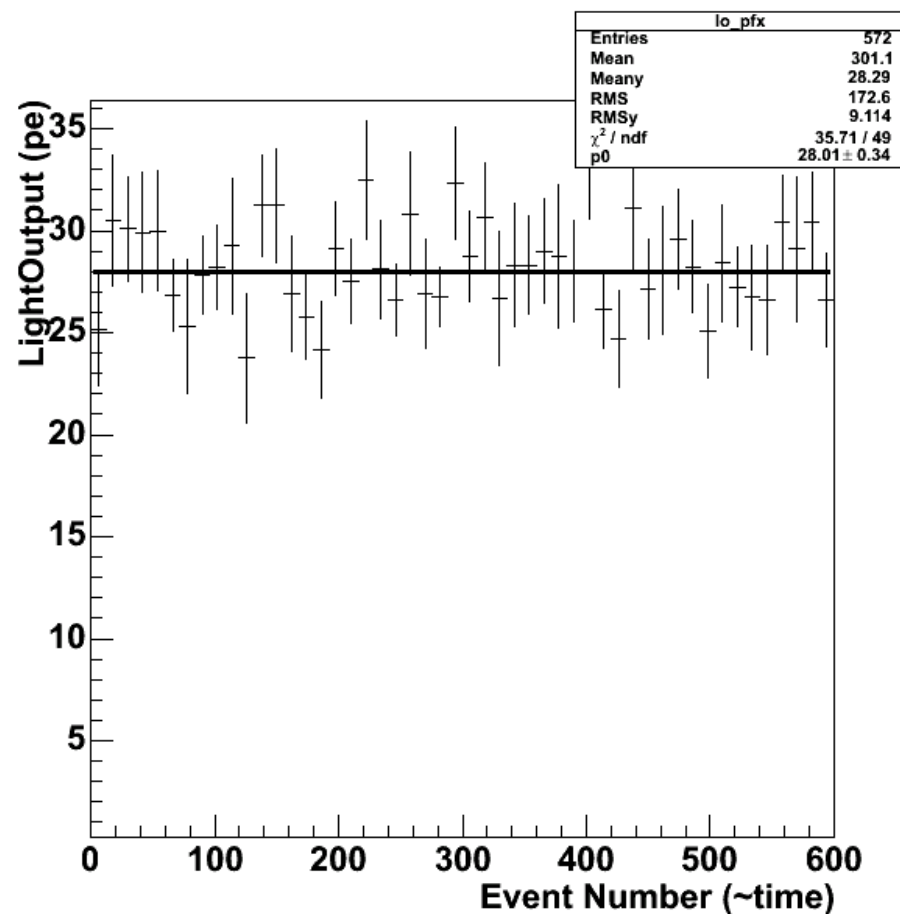
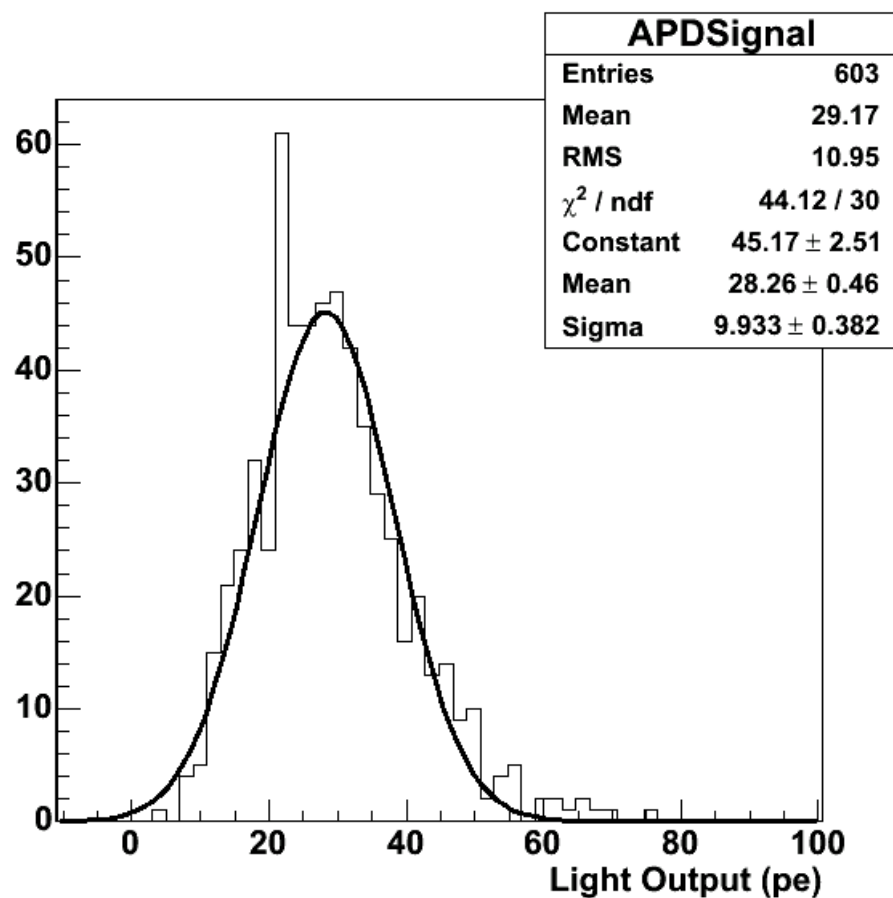
Very Old Measurements (PET-Prime)



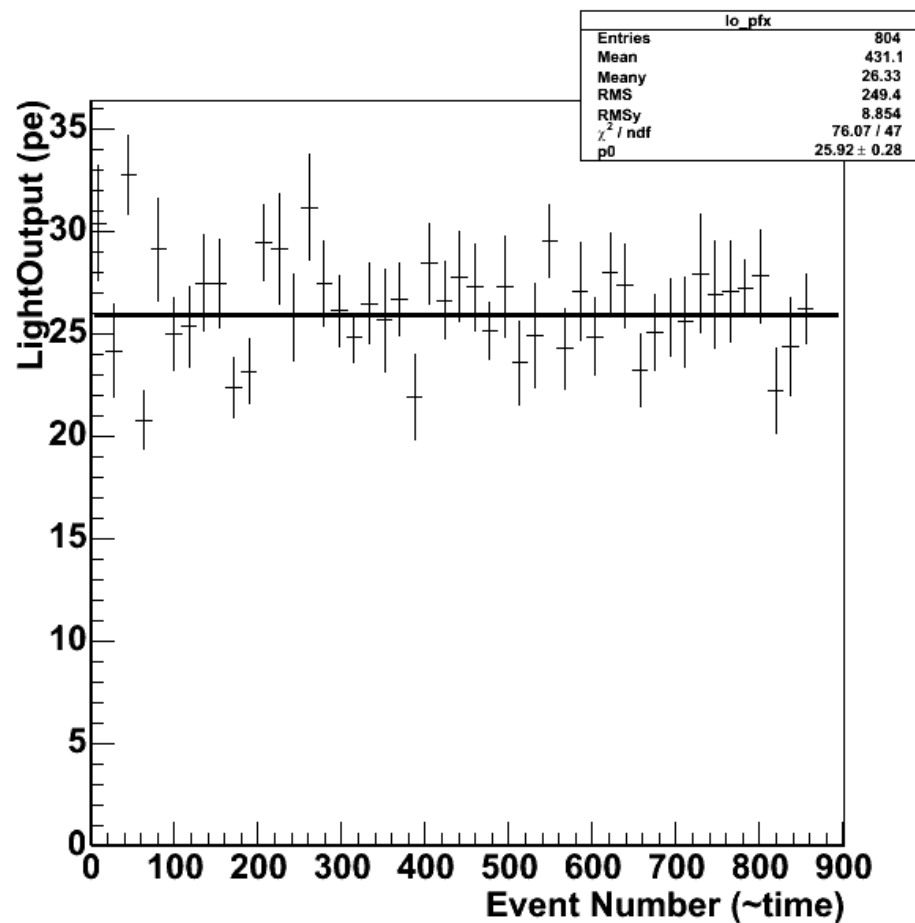
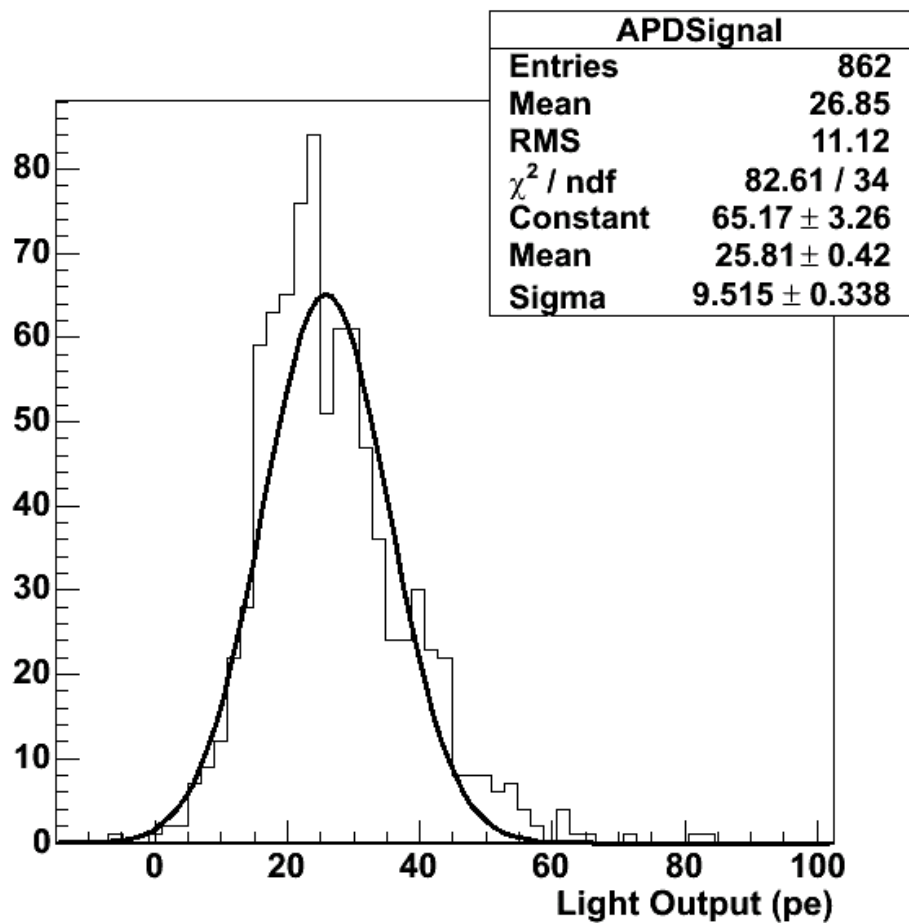
Old Measurements (PET-B)



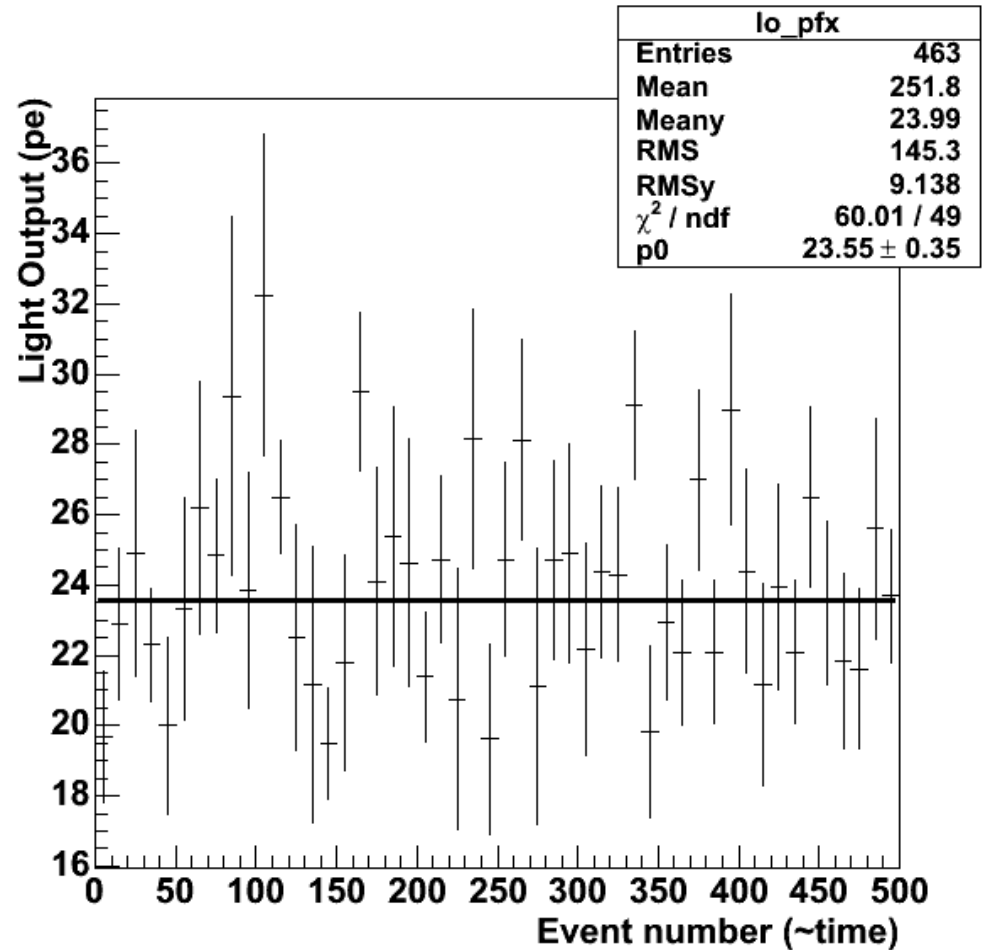
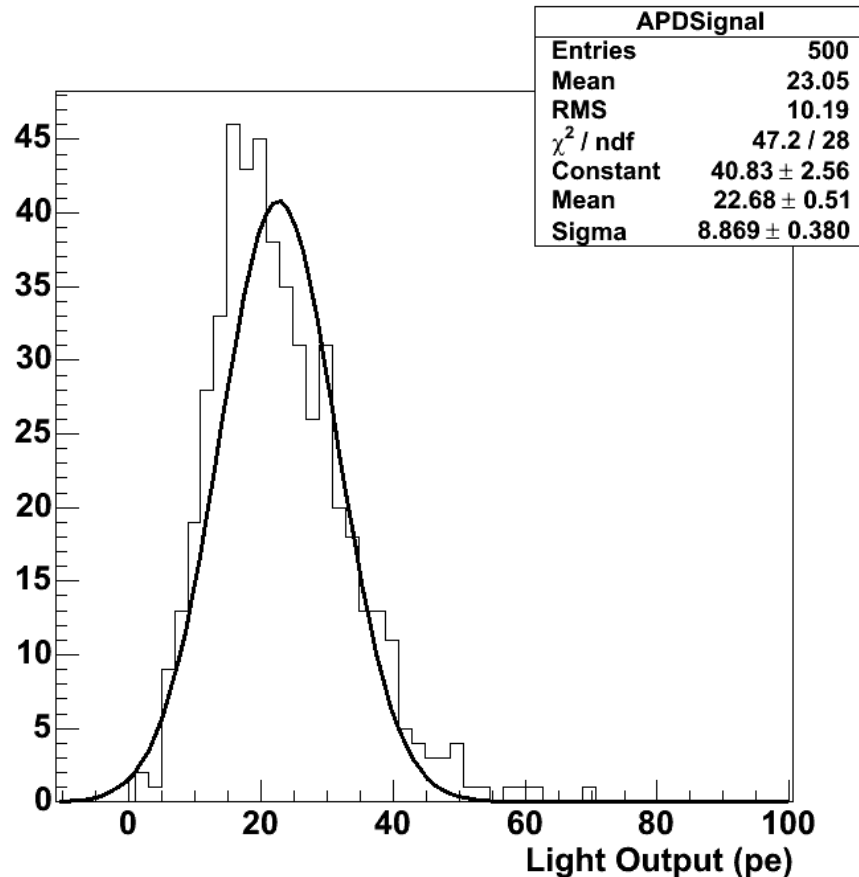
Recent BC-517L PET-B



BC-517P PET-B



BC-517P PET-B Bubbled



Visit <http://www.hep.umn.edu/~mualem/vslice> for current updates

Summary Table

Plastic	Scintillator	Light Output
PET-Prime	BC-517L	27.3
PET-B	BC-517L	27.6 (old)
PET-B	BC-517L	28.0 (recent)
PET-B	BC-517P(fresh)	26.0
PET-B	BC-517P (bubbled)	23.0

Plan and Preliminary Conclusions

- In retrospect, not much difference between PET-Prime (11.8%) and PET-B (15%)
- $BC-517P/BC-517L=23/27.6=0.83$
- Is 23 enough?